



**New
Daramic
Heavy Duty**
When you demand
more out
of your battery.

The new Daramic Heavy Duty (HD) battery separator.

Daramic Heavy Duty is a new breakthrough development of the polyethylene-based separator specifically designed to minimise the effects of antimony poisoning in lead acid batteries used in heavy duty and deep cycle applications such as demanding traction applications and golf cart batteries.

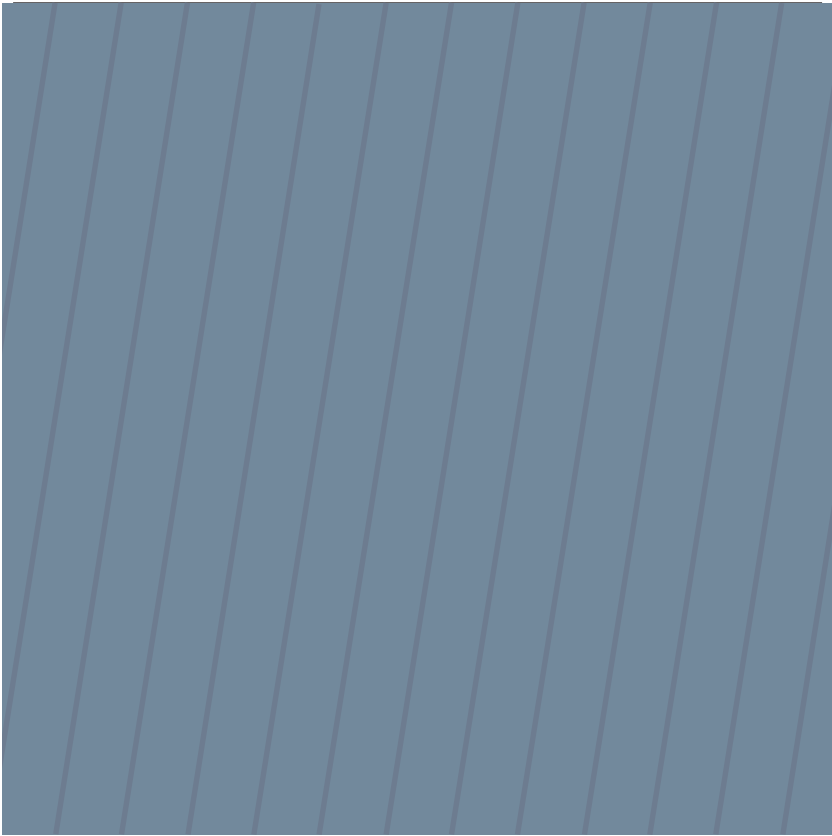
Daramic Heavy Duty incorporates a special organic additive, which is released over the lifetime of the battery to counteract the effects of antimony migration and prolong battery life. This enhanced performance is based on results on the improved end-of-charge behaviour over time versus standard separators.

Even under the harshest conditions, Daramic Heavy Duty matches the antimony poisoning retardation of more conventional rubber separators, while at the same time maintaining all the other superior performance properties of the Daramic polyethylene separators, including assembly and enveloping on high-speed, automated equipment.

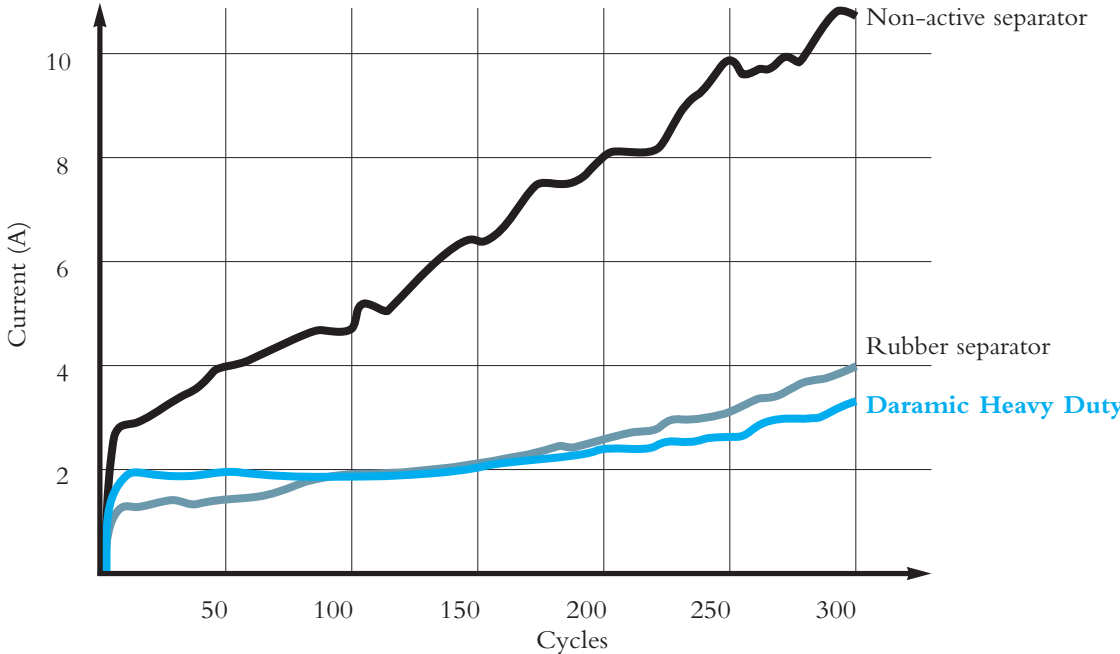
The introduction of Daramic Heavy Duty further complements Daramic’s global product line of separators and reflects Daramic’s commitment to respond to the battery manufacturer’s need for a heavy duty separator suitable for use in high-speed, automated manufacturing.

Properties of Daramic Heavy Duty			
Attribute	Unit	Typical value	Test method
Backweb thickness	mm	0.45	BS-TE-2010-1
Electrical resistance	Ωcm^2	0.23	BS-TE-2000-2/2001-2
Porosity	%	55	BS-TE-2060-1
Elongation (CMD)	%	200	BS-TE-2040
Dimensional stability	%	-1.0	BS-TE-2031
Backweb oil	%	15-17	BS-TE-2025-2/2026-1
Total oil	%	19-21	BS-TE-2025-2/2026-1

Electrical resistance as well as elongation depend on the profile and backweb thickness. Products with different backweb thickness and various profiles are available



Battery test results with industrial separators
55 °C, IU (2.4 V)



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